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GYNECARE TVT™ Retropubic System Tension-Free Support for Incontinence

[Description & Specs](#)[Videos & Media](#)**Science & Technology**

Published Clinical Data and RCTs Demonstrate the Benefits of GYNECARE TVT™ Retropubic System Tension-free Support for Incontinence vs. Boston Scientific, Bard, & AMS Brands Combined[†]

	TSENG (25 mos) ¹⁵⁷		ANDONIAN (12 mos) ¹⁵⁸		LIM (12 wks) ¹⁵⁹		LORD (6 wks) ¹⁶⁰	
	GYNECARE TVT™ Retropubic	SPARC™	GYNECARE TVT™ Retropubic	SPARC™	GYNECARE TVT™ Retropubic	SPARC™	GYNECARE TVT™ Retropubic	SPARC™
OBJ. CURE	87%	81%	95%	83%	88%	72%	97%	97%
SUBJ. CURE	N/A	N/A	N/A	N/A	83%	79%	87%*	76%
EROSION RATE	19%	6%	0%	2%	3%*	13%	5%	11%
BLADDER PERF	0%	13%	23%	24%	2%	7%	1%	2%
URETHRAL PERF	N/A	N/A	N/A	N/A	0%	5%	0%	0%

Data and Safety

- 16 times more Level 1 Evidence than major competitors; 82 RCTs[‡]
- Longest published follow-up of 11.5 years¹⁴²

Textile Property Comparison of Various Polypropylene Meshes

MESH TYPE	ETHICON PART OF THE Johnson & Johnson FAMILY OF COMPANIES	AMS	BOSTON SCIENTIFIC	BARD
PORE SIZE	1379 µm	1000 µm	1182 µm	1160 µm
LOW STIFFNESS (N/mm)	0.09±0.01	0.09±0.03*	0.58±0.15	0.16±0.07
RELATIVE ELONGATION AT INFLECTION POINT (%)	71.2±2.5	66.4±6.1	20.1±3.4	38.8±9.5
MESH EDGES/FEATURES	Tanged or Laser Cut	Tanged/Tensioning Suture	Tanged/Heat-Sealed Midsection	Tanged

AMS mesh was tested without the tensioning suture.¹³⁹ In another study comparison when measured with the tensioning suture SPARC™ has a stiffness of 0.53 N/mm and GYNECARE TVT™ has a stiffness of 0.23 N/mm. This is a highly significant difference ($p = 0.001$)¹²¹

From a comparative study of these 4 meshes, Ethicon GYNECARE TVT™ offers:¹³⁹

- Largest pore size
- Lowest stiffness
- Greatest elongation
- Only mesh available in mechanically-cut or laser cut choices

Site References

* p-value statistically significant

† A systematic review of patient-years of experience in prospective randomized controlled trials (RCTs) in incontinence.¹

‡ Study Report Incontinence RCTs v21

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